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Retrospective Study

Bacterobilia in pancreatic surgery-conclusions for perioperative antibiotic prophylaxis

Abstract

BACKGROUND

Jaundice or preoperative cholestasis (PC) are typical symptoms of pancreatic masses. Approximately 50% of patients undergo preoperative biliary drainage (PBD) placement. PBD is a common cause of bacterobilia (BB) and is a known surgical site infection risk factor. An adjustment of preoperative antibiotic prophylaxis (PAP) may be reasonable according to the profile of BB. For this, we examined the microbiological findings in routine series of patients

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Extended Perioperative Antibiotic Coverage in Conjunction ...

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In 1999, Mangram and colleagues recommended the **perioperative antimicrobial prophylaxis** in the Center for Disease Control's guidelines . Currently, the **Surgical Care Improvement Project (SCIP)** mandates every hospital to use **perioperative antibiotics** with proper timing in order to reduce **perioperative complications** [6, 7]. The deficiency of current **routine antibiotic prophylaxis** against **biliary pathogens** ...

Cited by: 4 Author: Amir H. Fathi, Terence Jackson, Mehdi B...

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Extended Perioperative Antibiotic Coverage in Conjunction ...

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Background. **Bile contamination** from the digestive tract is a well-known risk factor for **postoperative complications**. Despite the literature concerning prevalence of **bacterobilia** and **fungobilia** in patients with **biliary pathologies**, there are no specific recommendations for **perioperative antimicrobial coverage** for **biliary/pancreatic procedures**.

Discordance Between Perioperative Antibiotic Prophylaxis ...

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May 01, 2016 · More important, postoperative wound infection has been shown to delay adjuvant chemotherapy in patients with **pancreatic cancer** and double the risk of chemotherapy omission. 9-11 However, to our knowledge, the microbiology pattern and efficacy of **perioperative antibiotic administration** on postoperative wound infections in **pancreatic surgery** have ...

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Publish Year: 2016 Author: Zhi Ven Fong, MD

Disparities in the management and prophylaxis of surgical ...

https://www.researchgate.net/publication/314191035_Disparities_in_the_management_and...

Conclusions: **Subcuticular suturing** after **hepatobiliary-pancreatic surgery** was more efficacious in reducing **postoperative superficial surgical site infection** incidence than **staples** for **skin closure**

Bacterobilia may trigger the development and severity of ...

<https://www.sciencedirect.com/science/article/pii/S0039606016300459>

Although advances in **surgical techniques** and **perioperative management** have decreased operative mortality after **pancreatoduodenectomy (PD)** to <3% in high-volume centers, the morbidity still remains as high as 30–50%.1, 2, 3 The most common complication after PD is **postoperative pancreatic fistula**



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Background. **Bile contamination** from the digestive tract is a well-known risk factor for **postoperative complications**. Despite the literature concerning prevalence of **bacterobilia** and fungobilia in patients with **biliary** pathologies, there are no specific **recommendations for perioperative antimicrobial coverage for biliary/pancreatic procedures**.

Extended Perioperative Antibiotic Coverage in Conjunction ...

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4842379>

Despite the literature **concerning** prevalence and **trends** of **bacterobilia** and **fungobilia** in patients with **biliary/pancreatic pathologies**, SCIP has yet to modify their **recommendations for perioperative antibiotic coverage for PD [8-10]**.

Cited by: 5 Author: Amir H. Fathi, Terence Jackson, Mehdi B...

Publish Year: 2016 Academic Editor: Attila Olah

Bacterobilia may trigger the development and severity of ...

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Although **biliary infection (bacterobilia)** is considered a risk factor for infectious **complications** after **pancreatoduodenectomy**, the association between **bacterobilia** and **postoperative pancreatic fistula** has remained **unclear**.

Cited by: 12 Author: Katsuhisa Ohai, Tajiichi Sugiura, Yusuko

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Bacterobilia may trigger the development and severity of ...

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Bacterobilia may trigger the development and severity of **pancreatic** fistula after pancreatoduodenectomy. ... **Antibiotic prophylaxis** using a more broad-spectrum cephalosporin may decrease abdominal infectious complications. 26 We ... A prospectively validated clinical risk score accurately predicts **pancreatic** fistula after pancreatoduodenectomy.

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Publish Year: 2016

Escherichia coli Bacterobilia Is Associated with Severe ...

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Conclusion: **Bacterobilia** was found to be a risk factor for grade B/C postoperative **pancreatic** fistulas, and bacteria from the infected bile may be the source of the grade B/C postoperative ...

[PDF] Research Article Extended Perioperative Antibiotic ...

downloads.hindawi.com/archive/2016/3031749.pdf

lence of **bacterobilia** and fungobilia in patients under-going biliary/**pancreatic** procedures such as PD, there is no consensus for the specifics and duration of **antibiotic prophylaxis**. Bile serves as an optimal